

**From:** [Possiel, Norm](#)  
**To:** [Palma, Elizabeth](#)  
**Subject:** FOIA  
**Date:** Wednesday, October 10, 2018 9:56:00 AM  
**Attachments:** [APCA Tag Cross-Ref File.xlsx](#)

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**From:** Possiel, Norm  
**Sent:** Monday, April 03, 2017 3:49 PM  
**To:** Gregory Stella <[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Cc:** Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>; Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>  
**Subject:** RE: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Greg,

Per your email below, the tag number cross-references used for the 2015 NAAQS NODA modeling are in the attached file.

Norm

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**From:** Gregory Stella [<mailto:gms@alpinegeophysics.com>]  
**Sent:** Monday, April 03, 2017 2:32 PM  
**To:** Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>  
**Cc:** Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>; Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Gregory Stella <[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Subject:** Re: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Norm,

Do you have available the APCA mapping file between the source group number and the state/sector from your 2023 NAAQS NODA output and would you be able to share it with us?

Thank you,

Greg

On 3/31/2017 1:12 PM, Gregory Stella wrote:

Hi Norm,

For the 2023 modeling platform, we are generating corroborating runs to confirm our configuration and have found that we are missing the following CMAQ ready emissions input files:

low level "othar" (emis\_mole\_othar\_2011XXXX\_12us2\_cmaq\_cb6v2\_v6\_11g)  
low level "othon" (emis\_mole\_othon\_2011XXXX\_12us2\_cmaq\_cb6v2\_v6\_11g)

These files encompass the Canada and Mexico area sources, Canada and Mexico on-road sources, and other offshore. Cyndi has tried to reproduce these files using the 2023el V6 emissions inventory, but has not been successful in getting an adequate match.

In addition, the area level oil & gas files (np\_oilgas) appear to be different from what was used in your final emissions merge. When plotting differences between our merged files and the EPA files, we are seeing a small but noticeable difference that we believe is clearly an oil & gas signature. Since we have done no processing of the np\_oilgas CMAQ files, other than converting to CAMx, we suspect that there may be a small difference in versions used. See the attached low level VOC and NOx daily diff plots as examples. Note: we used the 2017ek Canada and Mexico emissions for these plots.

Can you please confirm for us the file version used for this sector and whether the ancillary files distributed with the platform were those used in processing these data?

Thanks in advance,

Greg

On 2/14/2017 3:28 PM, Possiel, Norm wrote:

Dennis/Greg,

Your original request included "MPE output and summaries". The attached file contains model performance stats for individual monitoring sites based on paired obs/predicted MDA8 ozone data for the period May through September. (This file is also available from the NODA docket.)

Model performance summaries can be found in the NODA AQ modeling TSD (Appendix A). This TSD is available at:

<https://www.epa.gov/airmarkets/notice-data-availability-preliminary-interstate-ozone-transport-modeling-data-2015-ozone>

Norm

**From:** Dennis McNally [<mailto:dem@alpinegeophysics.com>]

**Sent:** Tuesday, February 14, 2017 3:17 PM

**To:** Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>

**Cc:** Gregory Stella <[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>; Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>

**Subject:** Re: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Never the request for the run scripts. I just found them.

Dennis

On Tue, Feb 14, 2017 at 1:15 PM, Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)> wrote:

Norm and All:

Thanks so much for all your efforts. The disk have mounted fine and we are reading the disks onto our system.

Searching through the directories I don't see the CAMx run scripts. In the past you have made these available via ftp.

These run scripts provide a great roadmap of the distribution and will really help us know if any other items are missing.

Thanks,  
Dennis

On Fri, Feb 10, 2017 at 7:14 PM, Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)> wrote:

Greg,

Please check through the drives and let us know if you find that we did not include any of files you requested.

Norm

---

**From:** Gregory Stella [mailto:[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)]  
**Sent:** Friday, February 10, 2017 3:14 PM  
**To:** Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>  
**Cc:** Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>  
**Subject:** Re: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Thank you.

On 2/10/2017 3:12 PM, Baker, Thomas wrote:

The drives are on their way to FedEx, Standard Overnight.  
Tracking number 8046 1412 0954.

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**From:** Possiel, Norm  
**Sent:** Wednesday, February 08, 2017 9:40 AM  
**To:** Gregory Stella <[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Cc:** Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>; Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>  
**Subject:** RE: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Greg,

The drives are ready. We're checking to confirm that the data were copied correctly. Plan to send drives to you shortly.

Norm

---

**From:** Gregory Stella [mailto:[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)]  
**Sent:** Wednesday, February 08, 2017 9:39 AM  
**To:** Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>  
**Cc:** Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>; Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Gregory Stella <[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Subject:** Re: Data Request: Electronic Copies of AQ Data from 2015 Ozone NAAQS NODA

Hi Norm,

Would you please provide us with a status on the data loading and return mailing of these drives?

Thank you,

Greg

On 1/30/2017 11:12 AM, Dennis McNally wrote:

7341 Poppy Way  
Arvada, CO 80007  
[\(303\)421-2211](tel:3034212211)

Thank you.

On Jan 30, 2017 9:55 AM, "Possiel, Norm"  
<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)> wrote:

Greg, will do.

Dennis, can you reply with your mailing address and phone #.

Norm

---

**From:** Gregory Stella  
[mailto:[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)]  
**Sent:** Monday, January 30, 2017 10:49 AM  
**To:** Possiel, Norm <[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>;  
Dennis McNally <[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>  
**Cc:** Baker, Thomas <[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>;  
Eyth, Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Gregory Stella  
<[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Subject:** Re: Data Request: Electronic Copies of AQ  
Data from 2015 Ozone NAAQS NODA

Norm,

The new drive should arrive on Wednesday. If possible to send the first two back to Dennis before loading the third, it would be appreciated.

Thank you,

Greg

On 1/30/2017 10:35 AM, Possiel, Norm wrote:

Greg,

It looks like your data request is going to total a bit over 10 TB. Can you send us another 4 TB drive?

Thanks,

Norm

**From:** Dennis McNally  
[mailto:[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)]  
**Sent:** Wednesday, January 25, 2017  
10:20 AM  
**To:** Possiel, Norm  
<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>  
**Cc:** Baker, Thomas  
<[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>; Eyth,  
Alison <[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>;  
Gregory Stella  
<[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>  
**Subject:** RE: Data Request: Electronic  
Copies of AQ Data from 2015 Ozone  
NAAQS NODA

Hi Norm,

While we don't see an immediate need for these items, please include them to prevent a possible later data request.

Thanks,  
Dennis

On Jan 25, 2017 7:54 AM,  
"Possiel, Norm"  
<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)> wrote:

Greg,

Regarding OSAT, your original request did not include the data/codes/scripts EPA used to calculate ozone contributions. Do you want all of that info as well?

Norm

---

**From:** Gregory Stella  
[mailto:[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)]  
**Sent:** Wednesday, January 25,  
2017 8:55 AM  
**To:** Possiel, Norm  
<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>  
**Cc:** Dennis McNally

<[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>;

Eyth, Alison

<[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>; Baker,

Thomas

<[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>;

Gregory Stella

<[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>

**Subject:** Re: Data Request:  
Electronic Copies of AQ Data from  
2015 Ozone NAAQS NODA

Hi Norm,

Dennis tells me that to run  
OSAT for source sectors we  
likely need the premerged  
CMAQ-formatted emission files.  
In the previous NODA these  
were in CMAQ format. Is this  
what you mean by tagged? If so,  
these are also files that we would  
require.

Thank you,

Greg

On 1/25/2017 6:17 AM, Gregory  
Stella wrote:

Hi Norm,

Thanks for  
checking. We would  
appreciate all the  
listed SMOKE and  
MOVES files  
(SMOKE  
executables/codes/scripts;  
MOVES emissions  
factors; SMOKE  
ancillary files;  
SMOKE input  
inventories by  
sector) and do not  
require transfer of  
the CMAQ-  
formatted data you  
note below.

Greg

On 1/24/2017 6:45

PM, Possiel, Norm  
wrote:

Hi Greg,

We are  
finishing  
up a  
request  
that  
came in  
before  
yours  
and  
expect to  
start by  
the end  
of this  
week  
loading  
the data  
you  
requested  
to the  
drives  
you sent.

As part  
of your  
request  
for “All  
other  
necessary  
CAMx  
input  
files (to  
replicate  
EPA  
modeling;  
ex: run  
scripts,  
etc.)” do  
you want  
any of  
the  
following:  
SMOKE  
executables/codes/scripts  
MOVES  
emissions  
factors  
SMOKE  
ancillary  
files  
SMOKE  
input  
inventories  
by sector  
CMAQ-  
formatted  
emissions  
sector

files  
used for  
developing  
the  
tagged  
emissions  
files

Norm

---

**From:**

Gregory

Stella

[<mailto:gms@alpinegeophysics.com>]

**Sent:**

Tuesday,

January

24, 2017

6:58 AM

**To:**

Possiel,

Norm

<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>

**Cc:**

Dennis

McNally

<[dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com)>;

Eyth,

Alison

<[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>;

Baker,

Thomas

<[Baker.Thomas@epa.gov](mailto:Baker.Thomas@epa.gov)>;

Gregory

Stella

<[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)>

**Subject:**

Re: Data

Request:

Electronic

Copies

of AQ

Data

from

2015

Ozone

NAAQS

NODA

Hi  
Norm,

At your  
earliest  
opportunity,  
would  
you  
please  
provide  
us a  
status of  
the data  
transfer  
for this  
request?

Thank  
you,

Greg

On  
1/13/2017  
9:23  
AM,  
Gregory  
Stella  
wrote:

Hi  
Norm,

Two  
4GB  
drives  
will  
be  
arriving  
on  
Monday.  
Please  
use  
the  
same  
FedEx  
information  
as  
before  
when  
returning  
the  
drives  
to  
Dennis

in  
our  
Colorado  
office.

Thanks,

Greg

On  
1/12/2017  
10:59  
PM,  
Possiel,  
Norm  
wrote:

Hi  
Greg,

Yes.  
The  
total  
volume  
of  
data  
is  
around  
5+  
TB.  
My  
suggestion  
is  
that  
you  
send  
us  
drives  
with  
6  
TB  
of  
space.

Send  
the  
drives  
to  
Tom  
Baker  
at  
the  
address  
below.

Norm

Tom  
Baker  
US

EPA  
/  
OAQPS  
/  
AQAD  
/  
AQM  
MD:  
C439-  
01  
(Rm  
#C439-  
E)  
4930  
Old  
Page  
Road  
Durham,  
NC  
27703

**From:**

Gregory  
Stella  
[<mailto:gms@alpinegeophysics.com>]

**Sent:**

Thursday,  
January  
12,  
2017  
7:44  
PM

**To:**

Possiel,  
Norm  
[<Possiel.Norm@epa.gov>](mailto:Possiel.Norm@epa.gov)

**Cc:**

Dennis  
McNally  
[<dem@alpinegeophysics.com>](mailto:dem@alpinegeophysics.com);  
Eyth,  
Alison  
[<Eyth.Alison@epa.gov>](mailto:Eyth.Alison@epa.gov);  
Gregory  
Stella  
[<gms@alpinegeophysics.com>](mailto:gms@alpinegeophysics.com)

**Subject:**

Re:  
Data  
Request:  
Electronic  
Copies  
of  
AQ  
Data  
from  
2015  
Ozone  
NAAQS  
NODA

Hi  
Norm,

I'm  
checking  
in  
to  
see  
if  
you  
have  
had  
an  
opportunity  
to  
spec  
out  
the  
necessary  
drives  
for  
us  
to  
send  
you.

Thanks,

Greg

On  
12/29/2016  
1:29  
PM,  
Possiel,  
Norm  
wrote:

Greg,

I'm  
replying  
to  
confirm  
that  
we  
received  
your  
request  
below  
for  
2011  
and  
2023  
data.  
We  
will  
get  
back  
to  
you  
regarding  
the  
specs  
for  
data  
drives.

Norm

**From:**

Gregory

Stella

[<mailto:gms@alpinegeophysics.com>]

**Sent:**

Thursday,  
December

29,  
2016

1:23  
PM

**To:**

Possiel,

Norm

<[Possiel.Norm@epa.gov](mailto:Possiel.Norm@epa.gov)>;

Eyth,

Alison

<[Eyth.Alison@epa.gov](mailto:Eyth.Alison@epa.gov)>

**Cc:**

Gregory

Stella

[<gms@alpinegeophysics.com>](mailto:gms@alpinegeophysics.com);

Dennis

McNally

[<dem@alpinegeophysics.com>](mailto:dem@alpinegeophysics.com)

**Subject:**

Data

Request:

Electronic

Copies

of

AQ

Data

from

2015

Ozone

NAAQS

NODA

Alison

and

Norm,

Alpine

Geophysics

would

like

to

request

the

following

electronic

data

(for

both

2011

and

2023)

as

identified

in

the

December

29,

2016

released

Preliminary

Interstate

Ozone

Transport

Modeling

Data

for

the  
2015

Ozone  
National  
Ambient  
Air  
Quality  
Standard  
(NAAQS)  
document  
(attached).  
Following  
are  
a  
list  
of  
the  
items  
we  
wish  
to  
obtain.  
Please  
confirm  
any  
specific  
size,  
type,  
and  
style  
of  
drives  
requested  
for  
data  
transfer.

Files  
needed  
to  
run  
CAMx:

1.  
CAMx  
meteorological  
input  
files

2.  
CAMx  
air  
quality  
input

files

3.  
CAMx  
chemistry  
input  
files

4.  
Pre-  
merged  
CAMx  
emission  
input  
files

5.  
Merged  
low  
level  
and  
elevated  
CAMx  
input  
files

6.  
All  
other  
necessary  
CAMx  
input  
files  
(to  
replicate  
EPA  
modeling;  
ex:  
run  
scripts,  
etc.)

CAMx  
Model

1.  
CAMx  
source  
code  
(if  
a  
non-  
standard  
version  
of

the  
model  
was  
used)

2.  
CAMx  
parameter  
files  
(if  
a  
standard  
version  
of  
the  
model  
was  
used)

Air  
Quality  
Outputs

1.  
Average  
concentration  
output  
files

2.  
MATS  
formatted  
input  
files

3.  
MPE  
output  
and  
summaries

Please  
do  
not  
hesitate  
to  
contact  
either  
Dennis  
McNally  
([dem@alpinegeophysics.com](mailto:dem@alpinegeophysics.com);  
[303-  
421-  
2211](tel:303-421-2211))

or  
me  
with  
any  
follow  
up  
or  
clarifying  
questions  
to  
this  
request.

Thank  
you,

Greg

-

-

Gregory  
Stella

Alpine  
Geophysics,  
LLC

[gms@alpinegeophysics.com](mailto:gms@alpinegeophysics.com)

[828-  
675-  
9045](tel:828-675-9045)